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WGU C207 DATA DRIVEN DECISION MAKING QUESTIONS AND ANSWERS

Frame the Problem, Solving the Problem and Communicating Results are part of which decision making model? Correct ans - Davenport-Kim three-stage model

In which stage of the Davenport-Kim model is problem recognition? Correct ans - Framing the problem

In which stage of the Davenport-Kim model is data collection? Correct ans - Solving the problem

What is a key reason we study statistics? Correct ans - To make informed decisions

Visually presenting the data assists in which stage of the Davenport-Kim model? Correct ans - Communicating the results

When does research fail to produce reliable results? Correct ans - Poor research validity

What are the two major issues surrounding research standards? Correct ans - Best practices and ethics

In order to be a statistically valid sample, the sample must be: Correct ans - The appropriate size and random

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Not selecting a random sample is what type of bias? Correct ans - Measurement

Not selecting a right sized sample is what type of bias? Correct ans - Measurement

Research best practices eliminate... Correct ans - Bias

Outliers create this type of error Correct ans - Out-of Range

Unpredictable error Correct ans - Random Error - No correlation

Error may occur from missing data. (Example: Space not filled in) Correct ans - Omission Error - Distorted results

This error repeats itself Correct ans - Systematic Error - Skewed results

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Observation points that are distant from other observations. Correct ans - Outliers Note: Can be included or excluded in analysis (causes skewness)

Types of Bias: Bias that occurs from not selecting a random sample Correct ans - Measurement bias

Types of Bias: Bias introduced because respondents believe it will be beneficial if selected. Correct ans - Conscious bias (key word: benefit)

Consistent and repeatable data Correct ans - Reliable

Resulting from accurate measurements Correct ans - Valid data

If a responder lies on their survey, this creates what type of bias? Correct ans - Information

Sorting your spreadsheet can expose these errors by moving them to the very top or the very bottom of the column Correct ans - Omission or Out-of-Range

An error that will fix itself over time Correct ans - Random

An error that will not fix itself. You must do something Correct ans - Systematic

Cleaning and organizing data Correct ans - Data Management

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Are the following variable quantitative or qualitative? Personality type, social class, or communication style Correct ans - Qualitative

A study used when you a conditions can't be controlled Correct ans - Observational study

Observes people going forward in time from the time of their entry into the study. Correct ans - Cohort Study

What are the three elements of an experimental study? Correct ans - Unit, Treatment, Response

Accurately measures what it is intended to measure Correct ans - Valid data

_____ an experimental study prevents bias. Correct ans - Blinding

Neither the treatment allocator nor the participant knows in which group the participant is contributing. (Who is getting the real drug?) Correct ans - Double blind study

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